

Message

**From:** Chemerys, Ruth [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=908BE985D82A4AE4A7888D13AEDCEC9D-CHEMERYS, RUTH]  
**Sent:** 12/1/2016 3:13:42 PM  
**To:** Fullagar, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7ba061353c314b40a14a8be1ee382ae3-Gable, Jill]  
**Subject:** FW: NOAA Press Release re Research Links Human-Caused CO2 Emissions to Dissolving Sea Snail Shells Off U.S. West Coast

Hi Jill - I'm guessing you've seen this, but just in case not....

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**From:** Martinez, Menchu  
**Sent:** Thursday, December 01, 2016 10:05 AM  
**To:** Chemerys, Ruth  
**Cc:** Monschein, Eric ; Havard, James  
**Subject:** NOAA Research Links Human-Caused CO2 Emissions to Dissolving Sea Snail Shells Off U.S. West Coast

**FYI – just in case ...**

**NOAA Research Links Human-Caused CO<sub>2</sub> Emissions to Dissolving Sea Snail Shells Off U.S. West Coast**

NOAA and partners have connected the concentration of human-caused carbon dioxide in waters off the U.S. Pacific coast to the dissolving of shells of microscopic marine sea snails called pteropods.

[Read the Press Release.](#)

[Learn More.](#)

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**From:** U.S. EPA Office of Water [[mailto:water\\_climate\\_change@epa.gov](mailto:water_climate_change@epa.gov)]  
**Sent:** Thursday, December 01, 2016 9:06 AM  
**To:** Martinez, Menchu <[martinez.menchu-c@epa.gov](mailto:martinez.menchu-c@epa.gov)>  
**Subject:** EPA Climate Change and Water News



**December 1, 2016**

*EPA Climate Change and Water News is a bi-weekly newsletter from the U.S. Environmental Protection Agency (EPA) Office of Water that covers climate change and water-related news from EPA, other U.S. federal agencies, and partners. To learn more about climate change impacts on water resources, visit: <http://www2.epa.gov/climate-change-water-sector>.*

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## EPA News

### **Building the Next Generation of Climate Justice Leaders**

The Educate, Motivate, Innovate (EMI) Climate Justice Initiative strives to engage the next generation of climate justice leaders and expand partnerships with Minority Serving Institutions and Tribal Colleges and Universities. The EMI Initiative has issued a Call for Student Climate Justice Abstracts for presentations at the EMI Workshop during the March 8-10, 2017 National Environmental Justice Conference and Training Program in Washington, D.C. The next generation of climate justice leaders will engage with environmental elders and activists as well as influential members of academia, government, and non-governmental organizations.

[Read the Blog.](#)

[Learn More.](#)



### **Understanding Climate Change Impacts on Water Resources**

The "Understanding Climate Change Impacts on Water Resources" training module is intended to increase water resource professionals' understanding of the causes of climate change, its potential impacts on water resources, and the challenges that water resource professionals face. The module describes how federal, state, tribal, and local governments and communities are working to make the United States more resilient to the impacts of climate. The 45-minute training is part of the EPA Watershed Academy Web certificate program.

[Learn More and Take the Training.](#)

### **1.3 Million Awarded for Community-Based Projects to Improve Health and Ecosystem of Long Island Sound**

Twenty-five grants totaling \$1.3 million have been awarded to local government and community groups to improve the health and ecosystem of Long Island Sound. The projects, which are funded through the Long Island Sound Futures Fund, will restore 27 acres of habitat, including coastal forest, dunes, and salt marshes for fish and wildlife.

[Read the Press Release.](#)



## **EPA Provides \$149,000 for Environmental Improvements in San Juan, Puerto Rico**

The EPA will fund \$149,000 for green infrastructure design plans and rain gardens within the Caño Martín Peña community. Both projects seek to reduce stormwater runoff and improve water quality in the San Juan Bay Estuary's urban community.

[Read the Press Release.](#)

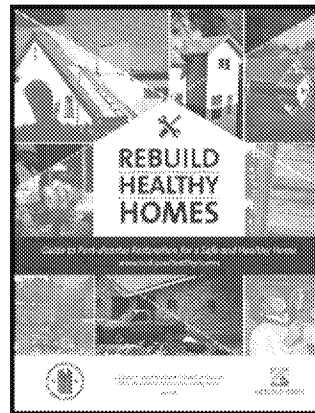
## **Federal News**

### **Rebuilding Healthy Homes Guide to Post-Disaster Restoration for a Safe and Healthy Home**

The U.S. Department of Housing and Urban Development's developed a consumer-friendly resource to provide best practices for creating healthy homes after the impact of a natural disaster. The "Rebuild Healthy Homes: Guide to Post-Disaster Restoration for a Safe and Healthy Home" provides essential information to homeowners for restoring homes damaged by disasters. The Guide includes how-to methods, tips, and improvement ideas for safe restoration. The accompanying mobile application provides users with information about post-natural disaster restorations of homes.

[Learn More.](#)

[Access the Full Guide.](#)



### **NOAA Research Links Human-Caused CO<sub>2</sub> Emissions to Dissolving Sea Snail Shells Off U.S. West Coast**

NOAA and partners have connected the concentration of human-caused carbon dioxide in waters off the U.S. Pacific coast to the dissolving of shells of microscopic marine sea snails called pteropods.

[Read the Press Release.](#)

[Learn More.](#)

### **Building Resilience to Climate Change One Landscape at a Time**

The "Resilient Lands and Waters Initiative" report highlights the efforts of seven partnerships to build resilience of natural resources in the U.S. These partnerships demonstrate the benefits of using existing collaborative, landscape-scale conservation approaches to address climate change, and other resource management challenges.

[Read the Press Release.](#)

[Read the Full Report.](#)



### **Take A Deeper Look into the 2010-2015 Texas Drought Through this New Interactive Web App**

From 2010-2015, Texas experienced both extreme drought and wet conditions. A new NOAA web application allows users to take a deeper look into this recent multi-year Texas drought and ongoing scientists' efforts to understand it.

[Access the StoryMap.](#)  
[Learn More.](#)

### **Safeguarding Our Cultural Past from Climate Change at Cape Lookout, NC**

Sea level rise, storm surges, and other climate change impacts are making the future more uncertain for structures like Cape Lookout National Seashore's historic lighthouse, a beacon of our nation's rich maritime past. The Climate Science Centers are helping the National Park Service pinpoint specific threats to the cultural and natural resources of Cape Lookout and other parks.

[Learn More.](#)



### **Building Resilience in the San Francisco Bay Region**

To enhance sea level rise adaptation, the San Francisco Bay Area Sentinel Site Cooperative focuses on bridging natural and built adaptation planning, supporting development of a regional network for early detection and forecasting of marsh ecosystem changes, and fostering resilience efforts that incorporate connections between the ocean and bay.

[Learn More.](#)

## **Other News**

### **Climate Adaptation: The State of Practice in U.S. Communities**

"Climate Adaption: The State of Practice in U.S. Communities", is the first study to examine in depth actions that multiple municipalities are taking to address climate-change fueled events like flooding, heat waves, wildfires, and intense storms. Findings show that more municipalities are preparing for climate risks than conventionally believed. Many of those actions support multiple community goals and values, and despite the progress, much more work is necessary to comprehensively address climate risks.

[Read the Full Report.](#)

[Learn More.](#)



### **Study Shows Ocean Acidification is Two-Front Assault on Coral Reefs**

Scientists studying coral reefs in volcanically acidified water of the southwestern Pacific Ocean measured a net loss of coral reef skeletons due to increased bio-erosion by worms and other organisms.

[Learn More.](#)

### **A How-To Guide for Co-Production of Actionable Science**

A new guide provides a set of recommendations to help scientists, managers, funders, and other stakeholders to successfully carry out co-production. The guide was authored by four members of the Advisory Committee on Climate Change and Natural Resource Science, the Advisory Committee for the Climate Science Centers, and National Climate Change and Wildlife Science Center.

[Learn More.](#)



## Report Highlights Lessons from the Rebuild by Design Competition

A new report captures and shares lessons learned from key resilience projects that were developed through the Rebuild by Design competition following Hurricane Sandy.

[Read the Full Report.](#)

## Upcoming Events

[See a calendar of climate change and water-related trainings, conferences, and webinars.](#)

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This newsletter is produced by the U.S. Environmental Protection Agency, Office of Water (EPA). For questions related to the newsletter or to submit an item, email the editor at [water\\_climate\\_change@epa.gov](mailto:water_climate_change@epa.gov). For past issues of EPA Climate Change and Water News, as well as further information on climate change impacts on water resources, visit: <http://www2.epa.gov/climate-change-water-sector>.

U.S. Environmental Protection Agency | Office of Water

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